

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 10/055,000

CRF Processing Date: 5/22/03  
 Edited by: AL SPENCER  
 Verified by: \_\_\_\_\_ (STIC staff)

**ENTERED**

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☒ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: Add comment to 10/055,000



OIPE

## RAW SEQUENCE LISTING

DATE: 05/22/2003

PATENT APPLICATION: US/10/085,418E

TIME: 14:24:43

Input Set : N:\jumbos\10085418\PTOMS.txt

Output Set: N:\CRF4\05222003\J085418E.raw

## SEQUENCE LISTING

## 3 (1) GENERAL INFORMATION:

4 (i) APPLICANT: ZENECA LIMITED ., . .

5 (ii) TITLE OF INVENTION: GENE SILENCING

6 (iii) NUMBER OF SEQUENCES: 3

7 (iv) CORRESPONDENCE ADDRESS:

8 (A) ADDRESSEE: IP DEPT., ZENECA AGROCHEMICALS

9 (B) STREET: JEALOTT HILL RESEARCH STATION,

10 (C) CITY: BRACKNELL,

11 (D) STATE: BERKSHIRE

12 (E) COUNTRY: UNITED KINGDOM

13 (F) ZIP: RG42 6ET

14 (v) COMPUTER READABLE FORM:

15 (A) MEDIUM TYPE: Floppy disk

16 (B) COMPUTER: IBM PC compatible

17 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

18 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25

19 (vi) CURRENT APPLICATION DATA:

C--&gt; 20 (A) APPLICATION NUMBER: US/10/085,418E

C--&gt; 21 (B) FILING DATE: 28-Feb-2002

22 (C) CLASSIFICATION:

23 (viii) ATTORNEY/AGENT INFORMATION:

24 (A) NAME: Haskelova, Mary

25 (ix) TELECOMMUNICATION INFORMATION:

26 (A) TELEPHONE: 914-765-5071

27 (2) INFORMATION FOR SEQ ID NO: 1:

28 (i) SEQUENCE CHARACTERISTICS:

29 (A) LENGTH: 3681 base pairs

30 (B) TYPE: nucleic acid

31 (C) STRAND ORIENT: double

32 (D) TOPOLOG: linear

33 (E) MOLECULE TYPE: RNA

34 (vi) HYDROTICAL: NO

35 (iv) ANTI-SENSE: NO

36 (vi) ORIGINAL SOURCE:

37 (A) ORGANISM: 1-AMINO CYCLOPROPANE-1-CARBOXYLIC ACID  
38 OXIDASE

39 (vii) IMMEDIATE SOURCE:

40 (A) CLONE: pTAK1

41 (xii) SEQUENCE DEFINITION: REF ID: A: 1

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/085,418E

DATE: 05/12/2003

TIME: 14:24:43

Input Set : N:\jumbos\10085418\PTOMS.txt

Output Set: N:\CRF4\05222003\J085418E.raw

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47 TTTAGGAAAA GGTTTTGAAT TGACTATTCT TTTTTTGGTA GGAAAAAGTT TAGCACTCTA 240
48 TAAATAGAGG CATGTTCCCT CTAACCTAAT TAGCATTCCAC AATGTAGTTT TAAAGGCTTT 300
49 GAGAGTTTTG GTTAGAGGGA GAATTTGTGA AACTCTCATG TATCCGAGT GAATTTGGTT 360
50 AAGTTTGTTC CTTTGTATT TTGTACTCTC ATGTTTATAG TGGATTGCTC ATTTCCTTT 420
51 TGGACCTAGG TGGATTGAGG GAACCACTAT AAATTTTGTG GTCTTTTGGT ATATTTCTCT 480
52 TTCTTTCTAC TGGTGGTCTT TGGAGSTTGG CTTTGGTAGG TTCCGCGTTT ACAGCTGGTT 540
53 ATTTTGGGTC CTAACCAAGT GATCAGAGG CAGATTCAAT AATGGAGTCA GGTGTAGTGG 600
54 TTGATAATC GATGATTGAA CCAAGTTAGA AAGAGTGTGT CATCTTGAGG GGTGTAGTTC 660
55 TAGCCGCAAC TTTTTTGAAC GTAAATGAAG TTTTGATGGA GAAATTTGTT CAGAGAGTGT 720
56 CTCTGTGTGG AGACATAAAI TTTTAAAGG AGATTATGGA GAGGAGAAAG AAGTTGTGTA 780
57 AGATTAAATA AAGAAAGTGG ACAAATCTAT TTTGTGAGAA ATTCAGGACA AGGGGAGAT 840
58 TGGTGGGTTT TTATTTGGCC TGATTTTTTA CCATAAATAG GTTTTCTTTT AAGGAAAAAG 900
59 TTTGGAATTG ACTATTCTTT TTTTGGTAGG AAAAGGTTTA GGATTCTATA AATAGAGGCA 960
60 TGTGCTTCT AACTTAATTA GCATTACAAA TGTAGTTTTA AGGGCTTTGA GAGTTTTGGT 1020
61 TAGAGGGAGA ATTTGTGAAC CTCTCATGTA TTCCGAGTGA ATTGGTTGAG GTTGTTCCTC 1080
62 TCTGTATTTT GACTCTCAI GTTTATAGTG GATTGCTCAT TTCTTTGTTG GAGGTAGGTC 1140
63 GATTGAGGGA ACCACTTAA ATCTTTGTGT CTTTGGTAT ATTTCTCTTT GTCTTCTTAC 1200
64 TGGTGGTCTT TCGAGGTTTG CTTTGTAGG TTCCGGGTIT ACACCTGCTT ATTTGGGCTC 1260
65 CTAACAGAGT TCGATGGGTT GAATCTAATA AAAAGAAAAA ATACTGGTGA TTCAGGATTA 1320
66 TTTATATGAA AATATAATAA ATATTGAAT TCTTTTGCTA TTCTTATGT TTACCTCTTT 1380
67 ATATTTCAAA TTATTCACCC AATACTGACA AGCCCTAGGC CATCTCTAGG AAATTCATAC 1440
68 AATTTTTTTT TTGTGTATA CTAGTTAAAT TGGCAGCCTT AAAGATTATT GTAAATTTCA 1500
69 AGGCAACTTC CTCAAGTACT ACAACTACAT TGTAACTATC CAGTCAAAAG GTCTTAAAT 1560
70 TTTATAAAAT TTGACACATG AAACAATAGC ACAATAAAT TTAGTACTAT TGCAGCCATG 1620
71 GGCATAGAG CATCATGTAT TATAGTCAAA ATGGGTCTCT TTCCAATTTG TCTTGATCCC 1680
72 AAAATCCCTT TGTAGGTAAG ATGGTTCAAC AAGGAACAT GACTCTTAAG GTAGACTTGG 1740
73 ACTCATAGAC TTGTCTAAT TCATAAAGAC TTGGAATATA ATAATTATTC ATTTAAATTA 1800
74 TAATTTCTTA CTTTAATATC TTCTACTATA AATACCTTT CAAAGCCTCA TTATTTGTAC 1860
75 ATCAAACATT GATATTCTAC TCTTCAATCT TTTGTATTCA CATATTCTAT TTATTTCAAT 1920
76 CACTTAGGAA AACACTTTAC CAAGAAATTA AGATGAGAGG CTTCCCAATT ATTAACCTGG 1980
77 AAAAGCTCAA TGGAGATGAG AGAGCCAAAC CCATGGAAT GATCAAGAGT GCTTGAGACA 2040
78 ATTTGGGCTT CTTTGAAGTA ATCATAAAT ACATAAATCAT ATTAATATGT TTGTTCAT 2100
79 TTATGAGTCA TACTTTTCTC TGTTTTAAAA TTAATGTCAC TTCAATATT TAATAATTCG 2160
80 CATGACATGT TTATAACACA ACAAGATATA GGTACATTT TGATACATTA TATATAACTT 2220
81 CTGTCAACAG ACTCAAAAGT CTTTCTTAAT TTCTTGAATT CAATGATCGA TCAACCTAAG 2280
82 ACACGTAAAA TGAAACGGGG AATAGTAATT CTGTTTGCTT ATGTGATCAT TGTAGTTGGT 2340
83 GAAACCATGA ATTCACATG AAGTAATGGA CACAGTAGAG AAAATGACAA AGGGACATTA 2400
84 CAAGAAGTGC ATGGAAAGAG GGTTTAAGGA AATAGTGGCA ATTAAGGAG TTGAGGCTGT 2460
85 TCAAGCTGAG GTTAATGATG TATATTGAGA AAGCACTTTC TTCTTGGCTC ATCTTCTTAC 2520
86 TTGTAATATC TCTCAAATAC CCAATCTTGA CCAAGAAATC AGGTACATAG ATGTGTCTTA 2580
87 CATATTAAT ATTAATATAA TAAATATAAA ATTTAATTTT TCTATCTTGA CATATTAAT 2640
88 AATTAAATTT TTGTACAAAG TATGAGAGAG AAGTATATTA AATTTTCTCT AAAAGATTAG 2700
89 AATATTGTG TAAATATAA CTGAACTTAC TCTGTAAAAA TCTTGAATTT GAAAAAGTTT 2760
90 ACTTGAAAAA TGCTTTTAT GGATCAAAAG GTCCCAACTT TGGTACTAAA GTTAGCAACT 2820
91 ATCCACCATG TCTTAAGCCC GATTTGATCA AGGGAATCCG CGCTCATACA GACCGAGAG 2880
92 GCATCACTACT TCTTTTCCAA GATGACAAAG TGAGTGGCCT TCAACTCCTC AAAGACAGC 2940
93 AATGGATCGA TTTTCTCCCG ATGCTGCACT CTATGCTGTT TAACCTTCTT GACCAACTTG 3000
94 AGCTACAGCA TTAATTAAGT ATCTTCTTTT TATTAATTA AATTAAGAG TAATTAATA 3060
95 AATGGTATT AATGAATCT TATAAATAA CTTGATCTTT AATCCCAAT ACAGCTTTT 3120

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/085,418E

DATE: 01/21/2003

TIME: 14:24:45

Input Set : N:\jumbos\10085418\PTOMS.txt

Output Set : N:\CRF4\05222003\J085418E.raw

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96 GGTGCACAGA GTATTTCAC AACAGAGGG GACACGAATG TCATTAGCCT CATTTTACAA 3180
97 TCCAGGAAGT GATGCACTAA TATATCCAGC AAAAAGCTTG GTTGAAAAAG AGGCAGAGGA 3240
98 AAGTACACAA GTGTATCCAA AGTTTGTGTT TGATGATTAC ATGAAGTTAT ATGCTGGAAT 3300
99 CAAGTTTCAA GGCAGAGAGC CAAGATTGA AGCAATGAAG GCAATGGAAA GTGATCCAAT 3360
100 TGCAAGTGGT TAGATCCCAA TTCAATTAAA AAAATTGGTG TTTGAAAAAT ATATTTAAAT 3420
101 ATAGCAATCT ATGTATACAC ATTATTGCT CTTCTTATGT ATGGTAGAAT AAAGTTAGTA 3480
102 TTAAAAAGA TTGTGATTG CTGCTATGT ATCAAAAAGA GTCCTAATAT TTGTATCTAT 3540
103 AAATAAGGTG CCTTCTAGTG AAATTATACA AATAATAATT TGGAGTGTAT TGTTCTTTCT 3600
104 CATGTAATTT AATTTTAAG TATCTTACTT TACAATATAC TGTTCACCTA TTGAACATAT 3660
105 TGAGTGATAT ATTGACTCAA T 3681
106 (2) INFORMATION FOR SEQ ID NO: 2:
107 (i) SEQUENCE CHARACTERISTICS:
108 (A) LENGTH: 22 base pairs
109 (B) TYPE: nucleic acid
110 (C) STRANDEDNESS: single
111 (D) TOPOLOGY: linear
112 (ii) MOLECULE TYPE: cDNA
113 (vii) IMMEDIATE SOURCE:
114 (B) CLONE: oligo dT-primed cDNA - page 13
115 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
116 CATTTCATCTC TTCAATCTTT TG 22
117 (2) INFORMATION FOR SEQ ID NO: 3:
118 (i) SEQUENCE CHARACTERISTICS:
119 (A) LENGTH: 26 base pairs
120 (B) TYPE: nucleic acid
121 (C) STRANDEDNESS: single
122 (D) TOPOLOGY: linear
123 (ii) MOLECULE TYPE: cDNA
124 (vii) IMMEDIATE SOURCE:
125 (B) CLONE: oligo dT-primed cDNA (SEQ3) page 13
126 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
127 CTTAATTTCT TGGTAAAGTG TTTTCC 26

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## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/085,418E

DATE: 05/22/2003

TIME: 14:24:44

Input Set : N:\jumbos\10085418\PTOMS.txt

Output Set: N:\CRF4\05222003\J085418E.raw

L:20 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:21 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]